Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1. (currently amended) A compatible optical scanner ~~(PU)~~, which is compatible with an optical scanner ~~(PU)~~ in which a bias current of the laser ~~(LD1 or LD2)~~ is modulated for recording or reproduction apparatuses of optical recording media, comprising:

a laser modulator ~~(M2)~~ that at least partly or completely switches the laser current and

a means for simulating the input characteristic curve of a laser ~~(LD1 or LD2)~~ at an input ~~(E)~~ of said laser modulator ~~(M2)~~.

2. (currently amended) The compatible optical scanner ~~(PU)~~ as claimed in claim 1, wherein the means for simulating the input characteristic curve of a laser ~~(LD1 or LD2)~~ is a circuit arrangement that interacts with a current mirror of the optical scanner ~~(PU)~~, said current mirror being provided for regulating the light power of a laser ~~(LD1 or LD2)~~.

3. (currently amended) The compatible optical scanner ~~(PU)~~ as claimed in claim 2, wherein the current mirror of the optical scanner ~~(PU)~~ that is provided for regulating the light power of a laser ~~(LD1 or LD2)~~ is an operational amplifier ~~(OPV)~~ driving a field-effect transistor ~~(FET)~~, the noninverting input [(+)] of which amplifier is connected to a line carrying reference-ground potential ~~(GD)~~ via a first resistor ~~(R1)~~, the inverting input [(-)] of the operational amplifier ~~(OPV)~~ and the source of the field-effect transistor ~~(FET)~~ being connected to said line via a second resistor ~~(R2)~~, and the drain of the field-effect transistor ~~(FET)~~ is an output ~~(Out)~~ provided for regulating the light power of a laser ~~(LD1 or LD2)~~.

4. (currently amended) The compatible optical scanner ~~(PU)~~ as claimed in claim 1, wherein a series circuit of diodes ~~(D1...Dn)~~ that is connected upstream of a current mirror of the optical scanner ~~(PU)~~ that is provided for regulating the light power of a laser ~~(LD1 or LD2)~~ is provided for simulating the input characteristic curve of a laser ~~(LD1 or LD2)~~.

5. (currently amended) The compatible optical scanner ~~(PU)~~ as claimed in claim 1, wherein a zener diode that is connected upstream of a current mirror of the optical scanner ~~(PU)~~ that is provided for regulating the light power of a laser ~~(LD1 or LD2)~~ is provided for simulating the input characteristic curve of a laser ~~(LD1 or LD2)~~.

6. (currently amended) The compatible optical scanner ~~(PU)~~ as claimed in claim 4, wherein the diodes ~~(D1...Dn)~~ form a series circuit of diodes ~~(D1...Dn)~~ arranged in the forward direction with a forward voltage ~~(DD)~~ corresponding to the operating voltage of a laser ~~(LD1 or LD2)~~.

7. (currently amended) The compatible optical scanner ~~(PU)~~ as claimed in claim 5, wherein a zener diode with a zener voltage corresponding to the operating voltage of a laser ~~(LD1 or LD2)~~ is provided.

8. (currently amended) The compatible optical scanner ~~(PU)~~ as claimed in claim 1, wherein the means for simulating the input characteristic curve of a laser ~~(LD1 or LD2)~~ is arranged on the optical scanner ~~(PU)~~.

9. (currently amended) The compatible optical scanner ~~(PU)~~ as claimed in claim 1, wherein the means for simulating the input characteristic curve of a laser ~~(LD1 or LD2)~~ is integrated in the laser modulator (M2).

10. (currently amended) Recording or reproduction apparatus for optical recording media having a optical scanner ~~(PU)~~ as claimed in claim 1, wherein the means for simulating the input characteristic curve of a laser ~~(LD1 or LD2)~~ is arranged on a main circuit board ~~(H)~~ of the recording or reproduction apparatus.